

Subject: INSURV QUARTERLY SURFACE SHIP MESSAGE NR 006//
PAAUZYUW RUCOMCC5381 3132023-UUUU--RUCOHAO.
ZNR UUUUU ZUI RUCOFAZ0237 3121300
P 081300Z NOV 99 ZYB PSN 224063I17
FM PRESINSURV NORFOLK VA//00//
TO RUENAAA/CNO WASHINGTON DC
RUBDPLA/ //N09/N096/N09B/N3/N5/N4/N43/N45/N454/N8/N86/N87/N88//
RUCBCLF/CINCLANTFLT NORFOLK VA//N01/N3/N4/N43/N45/N46/N465/N467//
RHHMHAA/CINCPACFLT PEARL HARBOR HI//N01/N3/N4/N43/N45/N46/N466//
RHHMHBA/CINCPACFLT PEARL HARBOR HI//N01/N3/N4/N43/N45/N46/N466//
RUCBTFA/COMNAVSURFLANT NORFOLK VA
//N00/N01/N3/N4/N41/N43/N44/N45/ N8//
RUWDEAA/COMNAVSURFPAC SAN DIEGO CA
//N00/N01/N3/N4/N41/N43/N44/N418/ N8//
RUCOSSA/COMNAVIAIRLANT NORFOLK VA//N00/N01/N3/N43/N45/N454/N8//
RUWFEAA/COMNAVIAIRPAC SAN DIEGO CA//N00/N01/N3/N43/N45/N454/N8//
RUCBKMC/COMSUBLANT NORFOLK VA//01/N3/N4/N45/N451//
RHHMDBA/COMSUBPAC PEARL HARBOR HI//01/N3/N4/N45/N451//
RULSMSC/COMSC WASHINGTON DC//N00/N01/N00S/N4/N42/PM1/PM2//
RUWDXFH/COMSCPAC SAN DIEGO CA//N4/N7//
RUCOGAR/COMSCLANT NORFOLK VA//N4/N7//
INFO RULSSEA/COMNAVSEASYS COM WASHINGTON DC
RUBDPLA/ //00/00TA2/05/05D/05L/05P/05U/05Z/91/91W/915/92TE//
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RULSDMA/PEO THEATER SURFACE COMBATANTS WASHINGTON DC
//PMS400D/PMS400F//
RULSSBI/PEO EXW WASHINGTON DC//00/01/PMS307/PMS325/PMS377//
RULSSBG/PEO MINEWAR WASHINGTON DC//00/PMS303/PMS407//
RUENMED/BUMED WASHINGTON DC//02/24/242//
RUCTPOA/CNET PENSACOLA FL//01/00X1//
RUCTPOU/NETPDT C PENSACOLA FL//N34//
RULSAMS/NAVICP MECHANICSBURG PA//NAVICP-04//
RULSAMX/COMNAVSUPSYSCOM MECHANICSBURG PA//04/41/42/424/51//
RUEARDK/NAVMEDLOGCOM FT DETRICK MD//03//
RULSBMS/NAVSURFWAR CEN SHIPSYSENGSTA PHILADELPHIA PA//9750//
RUCOPAW/COMNAVSAFECEN NORFOLK VA//00/01/30/35//
RULSGMZ/SERVSCOLCOM GREAT LAKES IL//JJJ//
RUCOBRO/COMAFLOATRAGRU ATLANTIC NORFOLK VA//00//
RUBDPLA/COMAFLOATRAGRU PACIFIC SAN DIEGO CA//00//
RUCOFAE/NAVENVIRHLTHCEN NORFOLK VA//00/01/IH//
RUCOQAJ/NAVOSHENVTRACEN NORFOLK VA//00/01//
RUDJABT/SWOSCOLCOM NEWPORT RI//00/03/33//
RUCCNON/COMNAVSURFRESFOR NEW ORLEANS LA//00//
RUWDXCG/INSURVPAC SAN DIEGO CA//00//
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RUCOHAO/INSURVLANT NORFOLK VA//00//
RUCOQAM/FTSCLANT NORFOLK VA//00/4100//
RUWDHLU/FTSCPAC SAN DIEGO CA//00/308/405//
BT
UNCLAS//N05100//
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MSGID/GENADMIN/PRESINSURV/NOV99//
SUBJ/INSURV QUARTERLY SURFACE SHIP MESSAGE NR 006//
REF/A/DOC/OPNAV/19JAN94//
REF/B/GENADMIN/CINCLANTFLT/200800ZAPR99//
POC/C. BRASSINGTON/CDR/CODE NEP/-/TEL:757-462-7578 X3028/TEL:DSN

253-7578 X3028/TEL: E-MAIL BRASSINGTON"AT"INSURV.NOSC.MIL//
NARR/REF A IS OPNAVINST 5100.19C, NAVOSH PROGRAM MANUAL FOR FORCES
AFLOAT, WITH CHANGE 2 OF 30 JUL 99. REF B IS ALLANTFLT 013/99 AND
ALPACFLT 018/99 ANNOUNCING NAVOSH AND ENVIRONMENTAL PROTECTION
INSPECTION REDUCTIONS.//

RMKS/1. FOR TYCOMS: REQUEST THIS MESSAGE BE READDRESSSED FOR WIDEST
DISSEMINATION TO SURFACE UNITS AND ISICS.

2. THIS QUARTERLY MESSAGE IS INTENDED TO PROVIDE INFORMATION THAT
WILL HELP IMPROVE SURFACE FLEET MATERIAL READINESS.

THE FOLLOWING AFLOAT NAVOSH ISSUES ARE HIGHLIGHTED:

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- NAVOSH AND ENVIRONMENTAL PROTECTION (NEP) ASSESSMENTS
- BASELINE INDUSTRIAL HYGIENE (IH) SURVEYS
- VENTILATION RECURRING DEFICIENCIES
- HAZARDOUS MATERIAL MINIMIZATION AND REUTILIZATION CENTERS
(HAZMINCENS)
- EMERGENCY EYE WASH STATIONS
- HAZARD ABATEMENT
- IN-USE FLAMMABLE LIQUID STORAGE CABINETS
- WELDING CURTAINS

3. NEP ASSESSMENTS: CHANGE 2 TO REF A WAS ISSUED 30 JUL 99 AND
BECOMES EFFECTIVE 1 NOV 99. ARTICLE A0302 REFLECTS THE RECENT FLEET
REVIEW BOARD DECISION, REF B, TO REQUIRE EITHER A NEP OVERSIGHT
COMPLIANCE INSPECTION AS PART OF THE REGULARLY SCHEDULED INSURV
INSPECTION OR A SEPARATE NEP ASSESSMENT, EVERY INTERDEPLOYMENT
TRAINING CYCLE (IDTC), NOT TO EXCEED 36 MONTHS FOR NON-DEPLOYERS.
IF A SHIP DOES NOT HAVE AN INSURV MATERIAL INSPECTION (MI) SCHEDULED
FOR THE CURRENT IDTC, THE ISIC/TYCOM SHOULD SCHEDULE A NEP ASSESSMENT
FOR THAT SHIP PRIOR TO THE NEXT DEPLOYMENT OR WITHIN 3 YEARS OF THE
LAST INSURV MI. THE NEP ASSESSMENT IS NORMALLY CONDUCTED BY TWO
INSURV INSPECTORS AND TWO ENVIRONMENTAL EQUIPMENT TECHNICAL
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ASSISTANTS DURING A 2 DAY PERIOD INPORT. THE ASSESSMENT REVIEWS THE
SAME PROGRAM REQUIREMENTS, TESTS EP EQUIPMENT, AND INVOLVES A SAFETY
WALK-THROUGH IDENTICAL TO A REGULAR INSURV MI. A FINAL REPORT OF
DEFICIENCIES IS PROVIDED TO THE COMMANDING OFFICER ONLY, IAW REF A
ARTICLE A0302D. FOR MORE INFORMATION, CHECKLISTS, OR AN ELECTRONIC
COPY OF REF A WITH CHANGE 2, CONTACT LT MARTIN AT (757) 462-7578
EXTENSION 3060, DSN 253-7578, OR E-MAIL MARTIN"AT"INSURV.NOSC.MIL.

4. BASELINE IH SURVEYS: REF A ARTICLE A0303B REQUIRES EVERY SHIP TO
HAVE A COMPLETE BASELINE INDUSTRIAL HYGIENE (IH) SURVEY. THIS SURVEY
IS AN ESSENTIAL OPERATIONAL RISK MANAGEMENT TOOL TO IDENTIFY HAZARDS,
ASSESS RISKS, AND PROVIDE CONTROL OPTIONS WHICH REDUCE RISK, PROTECT
HEALTH, AND INCREASE OPERATIONAL EFFECTIVENESS. IT IS ALSO THE
FOUNDATION ON WHICH TO BUILD THE COMMAND NAVOSH PROGRAM. THE SURVEY
REPORT WILL PROVIDE A LIST OF ALL RECOGNIZED PROCESSES THAT REQUIRE
RESPIRATORS, MEDICAL SURVEILLANCE REQUIREMENTS, DETAILED VENTILATION
MEASUREMENTS, AND A REVIEW OF OCCUPATIONAL HEALTH HAZARDS IN EACH
WORK CENTER. INSURV INSPECTORS REVIEW BASELINE IH SURVEY REPORTS
DURING MI AND NEP, NOTE IDENTIFIED HAZARDS, COMPARE MEDICAL
SURVEILLANCE REQUIREMENTS, AND MATCH THE SHIP'S NAVOSH PROGRAM
REQUIREMENTS WITH THE REPORT RECOMMENDATIONS. WE IDENTIFY ANY
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SYSTEMS OR POTENTIAL HAZARDS THAT STILL REQUIRE REVIEW OR A FOLLOW-
UP SURVEY. SURVEYS ARE CONDUCTED BY NAVY ENVIRONMENTAL AND PREVENTIVE
MEDICINE UNITS (NEPMU) AND SHORE MEDICAL TREATMENT FACILITIES. BUMED

RECENTLY SET A GOAL TO COMPLETE COMPREHENSIVE BASELINE IH SURVEYS FOR ALL NAVY SHIPS BY 31 DEC 2000. IF YOU HAVE QUESTIONS ABOUT YOUR BASELINE IH SURVEY, CANNOT LOCATE A COPY OF THE REPORT, OR NEED TO SCHEDULE A SURVEY, CONTACT YOUR LOCAL NEPMU OR SHORE MEDICAL FACILITY DIRECTLY TO REQUEST ASSISTANCE. THE ISIC OR TYCOM CAN ALSO BE CONTACTED FOR INFORMATION ON SCHEDULING SURVEYS OR TO ARRANGE IH ASSISTANCE.

5. VENTILATION RECURRING DEFICIENCIES: THE MOST FREQUENTLY DOCUMENTED INSURV NAVOSH MATERIAL DEFICIENCY IS INADEQUATE VENTILATION IN HAZMAT STOREROOMS AND AT INDUSTRIAL PROCESS SITES. OVER 60% OF THE INDUSTRIAL VENT SYSTEMS INSPECTED HAVE DIRTY SCREENS, LOW AIR FLOW, POOR DESIGN, LACK OF LOCAL EXHAUST VENTILATION, OR CONTROLLERS TAGGED OUT. PROPERLY WORKING INDUSTRIAL VENTILATION SYSTEMS THAT REMOVE TOXIC OR FLAMMABLE VAPORS OR GASES FROM WORK SPACES ARE VITAL TO PERSONNEL HEALTH AND SAFETY. LACK OF A WELDING EXHAUST HOOD, FOR EXAMPLE, MAY EXPOSE WELDERS TO TOXIC HEAVY METAL FUMES AND REQUIRE THE USE OF RESPIRATORS. SOME
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DEFICIENCIES, LIKE POOR DESIGN OR LACK OF EXHAUST VENTILATION, MAY REQUIRE OFF SHIP ASSISTANCE. ASSURING VENT SYSTEM CLEANING (MIP 6641/005-69) IS COMPLETED WILL OPTIMIZE AIR FLOW. TYPE COMMANDERS ALSO HAVE SOME CONTRACTOR ASSISTANCE AVAILABLE FOR VENTILATION CLEANING. OTHER COMMON PROBLEMS INCLUDE STOREROOM VENTILATION SYSTEMS DEENERGIZED AND WORK CENTER PERSONNEL UNSURE WHERE CONTROLLERS ARE LOCATED. AIR FLOW ALARMS ARE OFTEN INCORRECTLY SET TO ZERO TO PREVENT FREQUENT ALARMS AND ARE NOT AVAILABLE TO ALERT PERSONNEL OF SERIOUS HAZARDS. THE BASELINE IH SURVEY CONDUCTS DETAILED MEASUREMENTS OF ALL HAZMAT STOREROOMS AND INDUSTRIAL VENT SYSTEMS AND WILL INDICATE IF THE SYSTEM DOES NOT MEET MINIMUM CRITERIA. SAFETY OFFICERS SHOULD ENTER DEFICIENT SYSTEMS INTO THE CSMP AS PART OF THE HAZARD ABATEMENT PLAN. IF A SYSTEM HAS NOT BEEN EVALUATED, HAS DETERIORATED, OR HAS HAD MAJOR PROBLEMS CORRECTED SINCE THE BASELINE SURVEY, CONTACT YOUR LOCAL NEPMU OR MEDICAL TREATMENT FACILITY TO ARRANGE A FOLLOW-UP IH SURVEY OF THOSE VENTILATION SYSTEMS.

6. HAZMINCENS: REF A, CHANGE 2 OF 30 JUL 99, ARTICLE C2303, ADDRESSES THE FUNCTION OF HAZMINCENS, USING CONCEPTS OF REUTILIZATION AND INVENTORY MANAGEMENT TO ENSURE CENTRAL CONTROL
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OF COMMONLY USED HAZARDOUS MATERIALS ABOARD SHIP. SHIPS THAT HAVE FUNCTIONAL HAZMINCENS HAVE FAR FEWER HAZMAT PROGRAM AND MATERIAL PROBLEMS. THE HAZMAT PROGRAM HAS CONSISTENTLY IMPROVED OVER THE PAST 3 YEARS, AND THE NUMBER OF CHEM/TOX MISHAPS REPORTED TO THE NAVAL SAFETY CENTER HAS DECLINED. THE HAZMINCEN PROVIDES DAILY OR WEEKLY REQUIRED QUANTITIES OF HAZMAT TO THE USER AND REQUIRES UNUSED PORTIONS TO BE RETURNED AT THE END OF DAY OR SHIFT OR PROPERLY STORED IN SUITABLE LOCKERS IN WORKCENTERS, IAW REF A ARTICLE C2303. THIS MINIMIZES WASTE, REDUCES DISPOSAL COSTS, AND ELIMINATES EXCESSIVE HAZMAT STORAGE IN WORK CENTERS. REF A REQUIRES 24-HOUR CUSTOMER SERVICE. SOME SHIPS HAVE COME UP WITH CREATIVE METHODS TO ACHIEVE THIS CHALLENGING REQUIREMENT. YOUR PROGRAM SHOULD ENSURE ISSUED MATERIALS ARE TRACKED, PROPERLY LABELED, RETURNED, AND HAVE A MATERIAL SAFETY DATA SHEET (MSDS) AVAILABLE. THE HAZMINCEN COLLECTS AND PROCESSES USED AND EXCESS HAZMAT FOR DISPOSAL ASHORE. EVEN IF YOU HAVE NO DESIGNATED HAZMINCEN COMPARTMENT, YOU CAN STILL EFFECTIVELY IMPLEMENT THE CONCEPTS OF MINIMIZATION AND REUTILIZATION

TO CONTROL HAZMAT AT DEPARTMENTAL OR DIVISIONAL LEVELS. HAZMINCEN FUNCTIONS AND HAZMAT CONTROL IN THE WORK CENTERS ARE EVALUATED DURING INSURV INSPECTIONS. NAVSUP PROVIDES LOCAL HAZMINCEN
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TECHNICAL ASSISTANCE IN MANY HOMEPORTS. FOR MORE INFORMATION CONTACT MR. TERRY BLEDSOE, NAVSUP 04XE, AT (757) 443-1268, OR DSN 646-1268, OR E-MAIL TERRY"UNDERSCORE"L"UNDERSCORE"BELDSOE"AT"NOR.FISC.NAVY.MIL.

7. EMERGENCY EYE WASH STATIONS: CONFUSION OFTEN EXISTS CONCERNING THE PLACEMENT OF EMERGENCY EYE WASH STATIONS. ARTICLE B0508 IN REF A LISTS GENERAL LOCATIONS WHERE EMERGENCY EYE WASH STATIONS ARE REQUIRED. THE LOCAL IH SERVICES PROVIDER CAN ASSIST IN DETERMINING EYE HAZARDS AND EYE WASH STATION PLACEMENT. THESE STATIONS ARE FOR FIRST AID, INTENDED FOR FLUSHING THE EYES IMMEDIATELY, VITAL WHEN THE MATERIAL ENTERING THE EYES COULD CAUSE PROGRESSIVE TISSUE DAMAGE WHILE THE VICTIM AWAITS MOVEMENT TO A MEDICAL FACILITY OR THE ARRIVAL OF MEDICAL HELP. IF IN DOUBT, CONSULT THE MATERIAL SAFETY DATA SHEET PAGE 04 RUCOMCC5383 UNCLAS MSDS) TO SEE IF THE MATERIAL USED AT THAT LOCATION IS CORROSIVE. LOCATIONS WHERE EYE WASH STATIONS ARE REQUIRED, BUT MOST FREQUENTLY NOT INSTALLED, ARE NEAR BOILER CHEMICAL INJECTION SITES, BATTERY CHARGING AREAS, BROMINATORS, AND OIL LABS, WHERE CORROSIVES ARE COMMONLY HANDLED. MANY PLUMBED EYE WASH STATIONS HAVE BROKEN PARTS OR MISSING DUST CAPS. HAWS, MANUFACTURER OF EYEWASH STATIONS COMMONLY FOUND ON SHIPS, CAN BE CONTACTED FOR PARTS CATALOGS THROUGH THE INTERNET AT WWW.HAWSCO.COM, OR AT (510) 525-5801. ENTIRE EYEWASH UNITS ARE AVAILABLE FROM THE SUPPLY SYSTEM. STOCK NUMBERS ARE PROVIDED IN THE SAFETY EQUIPMENT SHOPPING GUIDE IN THE HMC&M HMIS CD-ROM.

8. HAZARD ABATEMENT: MATERIAL HAZARDS REPORTED BY CREW MEMBERS OR IDENTIFIED DURING SAFETY SURVEYS, ZONE INSPECTIONS, INSURV INSPECTIONS, OR IH SURVEYS ARE REQUIRED TO BE TRACKED BY YOUR SAFETY OFFICER TO ENSURE THEY ARE CORRECTED. MANY SHIPS HAVE DEVELOPED THEIR OWN DATABASE TO TRACK HAZARDS. THE NAVAL SAFETY CENTER AND CNO N45 NAVOSH PROGRAM MANAGER REVIEWED THE BEST OF THESE DATABASES AND DEVELOPED A FILL-IN-THE-BLANK MICROSOFT OFFICE-BASED DATABASE APPLICABLE TO ALL SHIP TYPES. THIS DATABASE IS OPTIONAL, BUT IS A MUCH EASIER WAY OF TRACKING HAZARDS AND MISHAPS, AND CAN PROVIDE
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REPORTS ON SAFETY TRENDS AND CORRECTION STATUS. THE DATABASE IS AVAILABLE FOR DOWNLOAD FROM THE CNO N454 WEB SITE AT WWW.NAVOSH.NET/REFERENCES/HADAP/INDEX.HTML. POINT OF CONTACT FOR MORE INFORMATION IS LCDR DON HAGEN, CNO N454E, AT (703) 602-2574 OR E-MAIL HAGEN.DONALD"AT"HQ.NAVY.MIL.

9. IN-USE FLAMMABLE LIQUID STORAGE CABINETS: THE 15 GALLON NAVSEA DESIGNED FLAMMABLE LIQUID STORAGE CABINET MAY BE USED FOR SAFE WORK CENTER STOWAGE OF IN-USE FLAMMABLE OR COMBUSTIBLE HAZMAT ISSUED BY YOUR HAZMINCEN. COMMERCIALLY AVAILABLE MODELS IN VARIOUS SIZES ARE ALSO ACCEPTABLE. COMMERCIAL CABINETS APPROVED BY NAVSEA FOR SHIPBOARD USE INCLUDE PROTECTOSEAL MODELS 5514S (5 GALLON) AND 5517S (15 GALLON), JUSTRITE MODEL 25712N (12 GALLON), AND DELTA MODELS CSL10 (10 GALLON) AND CSL15 (15 GALLON). DCPO'S ARE OFTEN

NOT AWARE OF PMS REQUIREMENTS FOR ALL FLAMMABLE LIQUID STORAGE CABINETS. REF A, ARTICLE C2304B, ALLOWS A 7-DAY SUPPLY OF COMMON-USE HAZMAT TO REMAIN UNDER THE CONTROL AND MANAGEMENT OF A WORK CENTER PROVIDED ADEQUATE STOWAGE, SUCH AS A FLAMMABLE LIQUID STORAGE CABINET, IS AVAILABLE. THE CABINET MUST BE MAINTAINED USING THE Q-36R MAINTENANCE REQUIREMENT CARD (MRC) 57 Y72L N FROM DCPO MIP 6641. THE PMS INCLUDES ENSURING THE LATCH, DOOR, SELF-CLOSING PAGE 06 RUCOMCC5383 UNCLAS

DEVICE, AND GASKET ARE IN GOOD CONDITION, THAT THE CABINET IS CLEAN AND FREE OF SPILLS, AND THAT CURRENT INVENTORY OF THE CONTENTS IS POSTED ON THE DOOR OF THE CABINET. FLAMMABLE LIQUID STORAGE CABINETS OFTEN HAVE BROKEN SELF-CLOSURES, BROKEN DOOR HANDLES, OR DETERIORATED DOOR GASKETS. COMNAVSAFECEN AFLOAT SAFETY ADVISORY 05-98 (DTG 181730Z SEP 98) PROVIDES SOURCES OF SPARE PARTS TO REPAIR DETERIORATED NAVSEA-DESIGNED (NON-COMMERCIAL) AND COMMERCIAL CABINETS. PARTS FOR NAVSEA-DESIGNED CABINETS ARE AVAILABLE THROUGH DELTA INDUSTRIES, INC., 1490 LINDSAY BLVD., P.O. BOX 50128, IDAHO FALLS, ID 83205, (208) 529-8545, E-MAIL DELTA@DIRECTINTER.NET. THE ADVISORY ALSO PROVIDES POINTS OF CONTACT FOR SPARE PARTS FROM MANUFACTURERS OF COMMERCIAL FLAMMABLE LIQUID STORAGE CABINETS. PROTECTOSEAL COMPANY CAN BE CONTACTED AT (630) 595-0800, E-MAIL INFO"AT"PROTECTOSEAL.COM, AND JUSTRITE MANUFACTURING COMPANY AT 1-800-798-9250, E-MAIL JRMFG"AT"MCS.NET, FOR PARTS INFORMATION.

10. WELDING CURTAINS: WELDING CURTAINS PROTECT PERSONNEL PASSING BY WELDING AREAS FROM WELDING ARC UV LIGHT EXPOSURE. COMMON PROBLEMS WITH WELDING CURTAINS INCLUDE DETERIORATION, UNAPPROVED MATERIAL, FAILURE TO FULLY ENCLOSE THE WELDING AREA, AND MISSING CURTAINS.

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NAVSAFECEN AFLOAT SAFETY ADVISORY 7-99 (DTG 271930Z MAY 99) LISTED THE APPROVED WELDING CURTAIN MATERIALS AND SEVERAL SOURCES OF CUSTOM FABRICATED WELDING CURTAINS. NAVSEA REQUIREMENTS WILL BE AMENDED TO USE A BLACK PIGMENTED, TYPE I, CLASS 1 CLOTH MEETING THE REQUIREMENTS OF MILSPEC MIL-C-24576 (SH). WELDING CURTAINS MEETING THESE REQUIREMENTS CAN BE CUSTOM FABRICATED, WITH GROMMETS, FROM THE FOLLOWING SUPPLIERS:

A. MID-MOUNTAIN MATERIALS, 7600 FIFTH AVENUE SOUTH, SEATTLE, WA 98108, (206) 762-7600, FAX (206) 762-7694, POC JAY ENGELBRECHT.

B. THERMOSTATIC INDUSTRIES, 1364 FIFTEENTH STREET, LOS ANGELES, CA 90021, (213) 749-4779, FAX (213) 749-2646, POC ALAN GOLDMAN.

C. C.E. THURSTON, 1501 PIEDMONT HWY, PIEDMONT, SC 29673, (864) 299-1770, FAX (864) 299-5241, POC T.D. NORMAN.

D. CHAMBERLIN RUBBER CO., 3333 BRIGHTON-HENRIETTA ROAD, TOWN LINE ROAD, ROCHESTER, NY 14692, (716) 427-7780, FAX (716) 427-2429, POC PHYLLIS GRONWALL.

E. GASPRO LTD., 2305 KAMEHAME HWY, HONOLULU, HI 96819, (808) 842-2122, FAX (808) 842-2131, POC GEORGE MAULIOLA.

F. C.E. THURSTON & SONS, 4850 BROOKSIDE COURT, NORFOLK, VA 23501, (757) 855-7700, FAX (757) 855-1214, POC SHERRY PEAGANS.

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G. THORPE PRODUCTS CO., 1517 EDWARD AVENUE, GONZALEZ, LA 70737, (504) 647-9682, FAX (504) 647-3694, POC DEBBY PITTMAN.//

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